

INSTALLATION STATUS REPORT (ISR)

ELECTRIC SOURCE

**PROPONENT: ASST CHIEF OF STAFF INST MGMT, UTILITIES BRANCH, DAIM-FDF-U
(703) 428-7001/DSN 328-7001**

**REVISION DATE: 30 SEPTEMBER 2002
FOR USE WITH THE 2003 ISR DATA COLLECTION**

INCLUDES THE FOLLOWING FCG(s):

- **F81100 - ELECTRIC POWER SOURCE (KV)***
- **F81150 – STANDBY POWER (KV)**

STANDARDS BOOKLET

BOOKLET 55

* FCG Unit of Measure. Refer to *Implementing Instructions*, Appendix G, for definition.

ISR FACILITY INSPECTION INSTRUCTIONS

1. Select the appropriate inspection worksheet and rating standards booklet to evaluate your facility (the appropriate booklet number is identified in the upper right corner of the worksheet). Only use worksheets that have been produced by the current ISR1 software, i.e., barcodes and correct installation and facility information are printed at the top of the page. In particular, verify that the building number on the worksheet matches that of the facility you are inspecting, and the Facility Category Group (FCG) description on the worksheet matches the space you will be rating in the facility (some facilities consist of space from several FCGs, each of which will require a separate worksheet and associated rating booklet).
2. At the top of the inspection worksheet, enter Inspector name and phone number, and the date completed.
3. Rate each component on the inspection worksheet by selecting the color rating that BEST FITS the component being evaluated. First look at the picture in the standards booklet, then at the rating elements under each color to determine which color best describes the overall condition of the component being rated. Then place an "X" in the appropriate box on the inspection worksheet. If an inspection component is not in the facility and it is not needed, place an "X" in the "N/A" box for that component. If an inspection component is not in the facility and it is needed, rate that component as RED.
4. RED ratings require comment. For every component that is rated RED, write a brief explanation in the space provided on the inspection worksheet. For each RED rating, consider submitting a work order to correct the deficiency.
5. Sum the number of "X"s in each column and record each total on the line designated at the bottom of the column.
6. Identify the Overall Quality Rating. The Overall Quality Rating is the color that received the most ratings among the inspected components. This was calculated in Step 5 above. If there is a tie for the most color ratings, then the lower color rating prevails and is the Overall Quality Rating for the facility. Circle the appropriate Overall Color Rating choice in the upper right hand corner of the worksheet.
7. Optional: write a brief comment concerning any facility location issues, such as location of the facility on the installation, proximity to related facilities, and appropriate vehicle access. Continue on the reverse of the inspection worksheet if needed.
8. Optional: write a brief comment concerning any environmental, health, safety, and historic preservation issues. Continue on the reverse of the inspection worksheet if needed.
9. Have the unit commander or activity director review and sign the inspection worksheet, and add any desired comment.

INSTALLATION SUPPORT WORKSHEET
(Use with Booklet #55)
ELECTRIC SOURCE

Overall Quality Rating
(Circle One):

Green Amber Red

Facility Number:
Facility User UIC:
Facility Category Group:
Unit of Measure:

Installation
Number:

Inspector:
Phone #:

Date Completed:

FACILITY CONDITION ASSESSMENT

Condition of Each Component		Place an "X" in the box that applies to each component.			
Inspection Component		GREEN	AMBER	RED	N/A
1. Plant Building		[]	[]	[]	[]
2. Age (Time since most recent major renovation/overhaul)		[] < 25 years	[] 25-40 years	[] > 40 years	[]
3. Current Design Standards or Local utility standards		[] Meets requirement	[] Minor deficiencies	[] Major deficiencies	[]
4. System Maps (In accordance with TM5-684 and NFPA 70B)		[] Current	[] 1-5 years old	[] Over 5 years old	[]
5. Safety *** All applicable standards such as OSHA, Army, EPA, State, etc.		[] Meets standards	[] Minor deficiencies	[] Major life/safety deficiencies	[]
6. Power System Analysis		[] Meets AR 420-49 standard	[]	[] Does not meet standard	[]
7. Reliability ***		[] < 25% post outage for less than 2 hours in the past year	[] 25-50% post outage for less than 2 hours in the past year	[] > 50% Post outage for more than 2 hours in the past year	[]
8. Scheduled Maintenance		[] 100% Performed	[] 99-75% Performed	[] < 75% Performed	[]
9. Annual O&M Plans		[] Detailed & Comprehensive	[] Inadequate	[] Not available	[]
10. System Voltage ***		[] 15 kV class or local utility standards	[] Less than 15 KV class	[] Not available	[]

(CONTINUED ON NEXT PAGE)

ELECTRIC SOURCE (Continued)

- | | | | | |
|--|---|---|---|---|
| 11. Electrical System Outages | <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> |
| | < 10 substation
feeders tripped | > 10 substation
feeders tripped | > 20
substation
feeders
tripped | |
| 12. Electrical single Line
Diagrams | <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> |
| | Available | Incomplete | Not available | |
| 13. Electrical Power Engineer | <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> |
| | Power experience
on staff | No power
experience on
staff | | |
| 14. Manpower availability | <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> |
| | Meets >80% of
requirements | Meets 80%-50% of
requirements | Meets <50% of
requirements | |

Overall Quality Rating:
Mark the color with the
greatest number of "X"s. If
two or more colors have equal
number of "X"s, choose the
worst color rating.

☐ ☐ ☐

***Indicates Priority Component (For Local
Installation Reference Only)

Red Rating Explanation: _____

Location Comment: _____

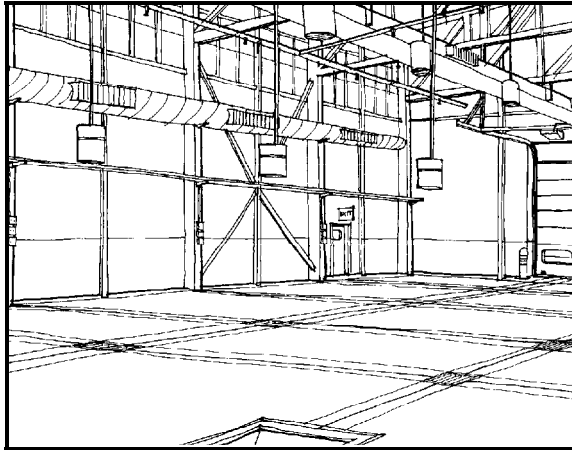
Environmental, Health, Safety, & Preservation (EHSP) Comment: _____

COMMANDER/DIRECTOR SIGNATURE _____

ELECTRIC SOURCE STANDARDS BOOKLET

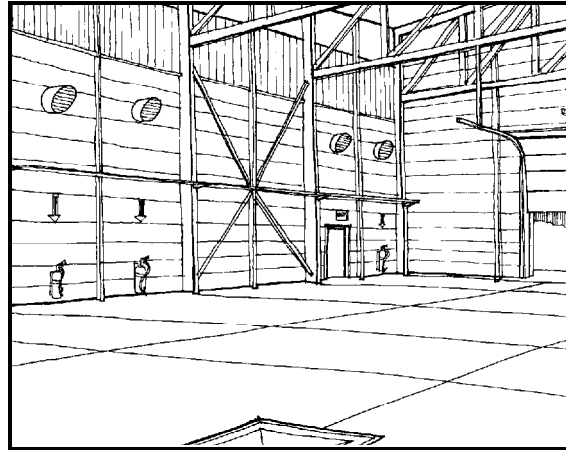
PLANT BUILDING

GREEN



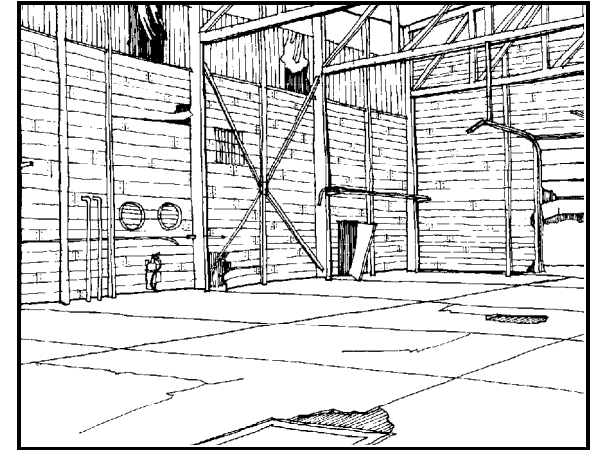
- Floor space sufficient to accommodate off loading of trucks with forklifts
- Hardened concrete floors with smooth surfaces
- Bollards and corner protection throughout
- Exterior lighting adequate
- Adequate space around Plant Equipment
- Automatic fire alarms and fire extinguishing system adequate
- Adequate, energy efficient, lighting installed

AMBER



- Insufficient space to accommodate all off loading of trucks with forklifts
- Paved floor in good repair
- Some bollards and corner protection damaged
- Minimal exterior lighting
- Limited space around Plant Equipment
- Fire alarms and extinguishing system damaged or insufficient
- Lighting damaged or insufficient

RED



- Insufficient clearance to off load with forklifts
- Wooden or no floor surface
- No bollards or corner protection
- Inadequate exterior lighting for night operations
- Inadequate space around Plant Equipment
- Fire alarms and/or fire extinguishing system not installed
- Required lighting not installed